

STANDARD BAR SPLICER ASSEMBLY

Minimum Lap Lengths									
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5				
3, 4	1'-5"	1'-11''	2'-1"	2'-4"	2'-3"				
- 5	1'-9''	2'-5"	2'-7"	2'-11''	2'-10''				
6	2'-1"	2'-11''	3'-1''	3'-6"	3'-4''				
7	2'-9''	3'-10''	4'-2"	4'-8''	4'-6"				
8	3'-8''	5′-1′′	5′-5″	6'-2"	5′-10′′				
9	4'-7''	6'-5''	6′-10′′	7'-9''	7′-5′′				

Table 1: Black bar, 0.8 Class C

Table 2: Black bar, Top bar lap, 0.8 Class C

Table 3: Epoxy bar, 0.8 Class C

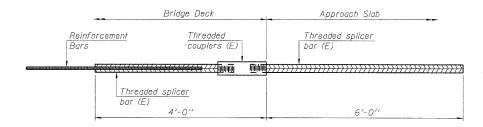
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + $1^l2^{\prime\prime}$ + thread length

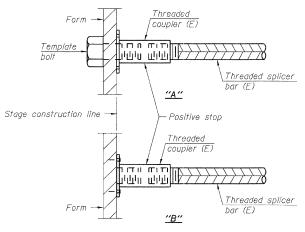
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Bar size	No. assemblies required	Table for minimum lap length	
	201	Bar No. assemblies size required	



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 86



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.

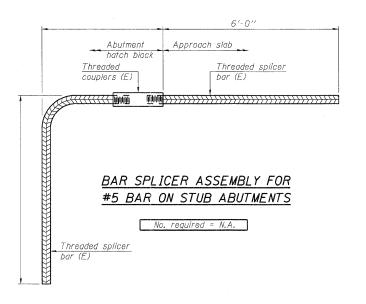
VOTES

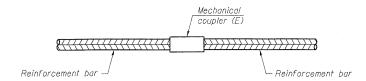
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See special provision for Mechanical Splicers.

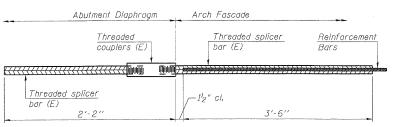
See approved list of bar splicer assemblies and mechanical splicers for alternatives.





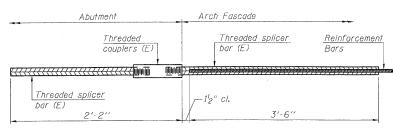
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



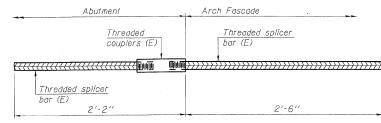
FOR ABUTMENT DIAPHRAGM TO ARCH FASCADE BAR SPLICER FOR #6 h2(E) & #6 h4(E) BAR

No. required = 56



FOR ABUTMENT (UPPER 3 ROWS) TO ARCH FASCADE BAR SPLICER FOR #6 h4(E) BAR

No. required = 24



FOR ABUTMENT (LOWER 2 ROWS) TO ARCH FASCADE BAR SPLICER FOR #6 BAR

No. required = 16

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CONSULTING ENGINEERS 1560 WALL ST, SUITE 222 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DRAWN	-	SLV	REVISED		ı
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR	SPLICER	ASSEMBLY	AND	MECHANICAL	SPLICER	DETAILS
		STRUCT	TURE	NO. 016-2831		
		SHEET N	10. 22	OF 24 SHEETS		

			ILLINOIS F	ED, AID	PROJECT		
	D-91-052-02				CONTRACT	NO. 6	2390
-	213	0102B-1			COOK	54	36
	OR RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEE NO.